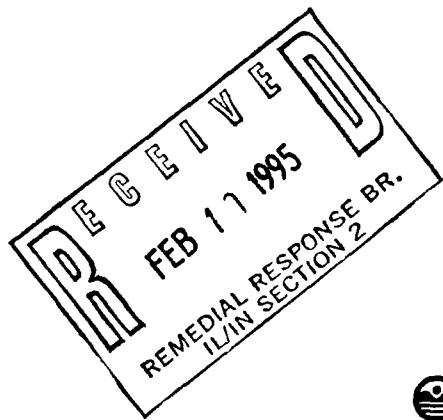


EPA Region 5 Records Ctr.



393379



Illinois Environmental Protection Agency

Susan J. Davison

Environmental Protection Specialist
Compliance Assurance Section
Bureau of Water

1001 North Grand Avenue East, P.O. Box 19276
Springfield, Illinois 62794-9276

Printed on Recycled Paper

217/782-9720

Also attached
Discharge monitoring report
1990-1994
Call into Desai



Illinois Environmental Protection Agency

Sandra Meyer Bron
Environmental Protection Engineer
Permit Section
Division of Water Pollution Control

2200 Churchill Road
P.O. Box 19276
Springfield, Illinois 62794-9276

cc: (unclear)
217/782-1606

() = Excursion from Limits

Zinc Corporation of America

NPDES Permit No. IL0052183

Discharge Monitoring Reports Summary January 1990 - Dec. 1994

NPDES Permit Limits	0.15	0.3	0.2	0.4	2.0	4.0	1.0	2.0
	Cadmium		Lead		Iron		Zinc	
	Ave.	Max.	Ave.	Max.	Ave.	Max.	Ave.	Max.
Dec. 1994	(2.61)	(2.61)	<0.02	<0.02	0.55	0.55	(176)	(176)
Nov. 1994	(1.37)	(1.37)	<0.02	<0.02	0.63	0.63	(109)	(109)
Oct. 1994	0.07	0.07	<0.02	<0.02	0.69	0.69	(15.2)	(15.2)
Sept. 1994	0.02	0.02	<0.02	<0.02	0.72	0.72	(1.59)	1.59
Aug. 1994	(0.36)	(0.36)	<0.02	<0.02	1.19	1.19	(40.6)	(40.6)
July 1994	(0.27)	0.27	0.03	0.03	1.16	1.16	(24.5)	(24.5)
June 1994	(0.79)	(0.79)	<0.02	<0.02	1.65	1.65	(54.0)	(54.0)
May 1994	(2.46)	(2.46)	<0.02	<0.02	1.77	1.77	(141)	(141)
April 1994	(2.46)	(2.46)	<0.02	<0.02	(2.12)	2.12	(143)	(143)
March 1994	(3.04)	(3.04)	<0.04	<0.04	(4.26)	(4.26)	(176)	(176)
Feb. 1994	0.11	0.11	<0.02	<0.02	(7.86)	(7.86)	(7.47)	(7.47)
Jan. 1994	(2.38)	(4.14)	<0.02	<0.02	1.5	4.8	(129.7)	(223)
Dec. 1993	(2.57)	(3.38)	<0.02	<0.02	0.391	0.52	(143.8)	(187.0)

NPDES
Permit
Limits

	0.5	1.0	0.2	0.4	3.0	6.0	25	50
*	*	*	*	*	*	*	*	*

*Interim Limits per PCB 88-130

	Cadmium		Lead		Iron		Zinc	
	Ave.	Max.	Ave.	Max.	Ave.	Max.	Ave.	Max.
Nov. 1993	0.007	0.05	<0.001	<0.001	0.01	0.07	0.875	1.0
Oct. 1993	0.002	0.01	<0.001	<0.001	<0.001	<0.001	0.034	1.0
Sept. 1993	0.9	1.0	0.1	0.2	0.7	0.7	506	610
Aug. 1993	0.5	0.6	0.1	0.1	1.0	2.0	250	355
July 1993	0.2	0.3	<0.1	<0.1	0.7	1.2	125	144
June 1993	0.2	0.3	0	0	0.3	0.8	86	113
May 1993	0	0.1	0	0	0.1	0.2	38	56
April 1993	0	0.1	0	0	0.1	0.2	26	36
March 1993	0	0.1	0	0	0	0	15	26
Feb. 1993	0	0	0	0	0.2	0.6	27	64
Jan. 1993	0.3	1.0	0	0	0.3	1.1	24	68
Dec. 1992	0	0	0	0	0.1	0.1	17	20
Nov. 1992	0.1	0.2	0	0	2.8	7.9	16	48
Oct. 1992	0	0	0	0	0	0	8	13
Sept. 1992	0	0.1	0	0	0	0	20	39
Aug. 1992	0.1	0.2	0	0	0	0.1	54	124
July 1992	0.3	0.4	0	0	0.1	0.2	122	153
June 1992	2.4	5.9	0.2	0.2	30.3	67.2	265	549
May 1992	0.1	0.2	0.1	0.1	3.0	5.4	42	47
April 1992	0.9	2.5	0	0.1	23.1	77.3	84	183
March 1992	0.3	0.7	0	0	4.9	12.2	35	78
Feb. 1992	0.1	0.2	0	0	3.4	5.5	27	34
Jan. 1992	0	0.1	0	0	0.6	1.4	19	28
Dec. 1991	0	0.1	0	0	0.1	0.3	11	15
Nov. 1991	0.1	0.2	0	0	0.6	1.0	22	37
Oct. 1991	0	0	0	0	0.1	0.5	10	13
Sept. 1991	0.1	0.1	0	0	2.6	4.8	16	17

NPDES								
Permit								
Limits	0.5 *	1.0 *	0.2	0.4	3.0 *	6.0 *	25 *	50 *

*Interim Limit

	Cadmium		Lead		Iron		Zinc	
	Ave.	Max.	Ave.	Max.	Ave.	Max.	Ave.	Max.
Aug. 1991	0.1	0.1	0	0.1	0.1	0.6	18	35.0
July 1991	0.1	0.2	0	0	2.2	8.4	27	41.0
June 1991	0.1	0.2	0	0	1.1	4.2	13	28.0
May 1991	0	0.2	0	0	0.6	1.9	4.0	13.0
April 1991	0	0.1	0	0	0.7	2.4	5.0	16.0
March 1991	0	0.0	0	0	0	0	5.0	14.0
Feb. 1991	0	0.2	0	0	0.3	0.7	13.0	26.0
Jan. 1991	0	0.1	0	0.1	0.9	2.3	14.0	20.0
Dec. 1990	0.1	0.1	0.1	0.1	1.2	3.5	12.0	22.0
Nov. 1990	0	0.1	0	0	0.3	0.8	4.0	11.0
Oct. 1990	0	0	0	0	0	0.1	1.0	2.0
Sept. 1990	0	0	0	0	0	0	1.0	2.0
Aug. 1990	0	0	0	0.1	0.2	0.9	5.0	10
July 1990	0	0.1	0	0	0	0	1.0	4.0
June 1990	0	0	0.0	0.1	0.4	1.0	1.0	2.0
May 1990	0	0	0	0.2	0.1	0.3	1.0	4.0
Apr. 1990	0	0	0	0	0	0	1.0	2.0
March 1990	0	0	0	0	0.5	1.6	2.0	5.0
Feb. 1990	0	0	0	0	0	0	1.0	2.0
Jan. 1990	0	0	0	0	2	4	0.1	0.4

SD:r1c/0071Z,1-3sp

NPDES
Permit
Limits

	0.5	1.0	1.0	2.0	15	30
	Copper		Manganese		TSS	
	Ave.	Max.	Ave.	Max.	Ave.	Max.
Dec. 1994	0.01	0.01	7.18	7.18	72.8	72.8
Nov. 1994	0.01	0.01	5.53	5.53	74	74
Oct. 1994	0.01	0.01	1.55	1.55	20.4	20.4
Sept. 1994	0.01	0.01	0.91	0.91	3.6	3.6
Aug. 1994	0.01	0.01	3.47	3.47	54.4	54.4
July 1994	0.01	0.01	2.39	2.39	30.8	30.8
June 1994	0.02	0.02	3.43	3.43	48.0	48.0
May 1994	0.05	0.05	6.0	6.0	66.0	66.0
April 1994	0.06	0.06	6.07	6.07	76.0	76.0
March 1994	0.07	0.07	6.85	6.85	106	106
Feb. 1994	0.04	0.04	0.98	0.98	33.2	33.2
Jan. 1994	0.07	0.10	5.47	8.58	93.0	188
Dec. 1993	0.098	0.13	6.078	7.40	69.2	114

NPDES

Permit

Limits

	2.0	4.0	5.0	10.0	75	150
*	*	*	*	*	*	*

 *Interim
Limits

	Copper		Manganese		TSS	
	Ave.	Max.	Ave.	Max.	Ave.	Max.
Nov. 1993	<0.001	<0.001	0.022	0.06	39.41	49.6
Oct. 1993	<0.001	<0.001	0.017	0.060	11.4	26.8
Sept. 1993	27.0	32.6	50.7	59.8	103	131
Aug. 1993	13.2	20.9	26.5	36.9	98	137
July 1993	6.1	7.2	12.7	14.7	59	87
June 1993	4.2	5.4	9.7	12.7	66	78
May 1993	2.2	3.0	4.4	6.6	52	111
April 1993	1.6	2.0	3.2	4.2	11	25
March 1993	1.0	1.2	1.9	2.3	55	82
Feb. 1993	1.7	2.8	4.0	8.1	30	63
Jan. 1993	0.7	0.8	2.0	3.6	23	40
Dec. 1992	1.0	1.2	2.7	3.1	46	80
Nov. 1992	0.8	1.6	14.0	40.6	4	8
Oct. 1992	0.5	0.6	2.8	3.4	29	67
Sept. 1992	0.7	1.1	2.7	4.4	23	42
Aug. 1992	2.2	5.4	5.5	12.8	40	57
July 1992	4.3	5.2	13.1	15.2	61	80
June 1992	4.9	7.3	10.7	11.4	660	1652
May 1992	1.0	1.2	4.2	4.6	91	107
April 1992	1.4	2.9	3.8	4.7	149	310
March 1992	0.7	1.0	2.9	3.1	54	64
Feb. 1992	0.6	0.7	2.8	3.2	55	98
Jan. 1992	0.4	0.5	2.6	3.5	23	40
Dec. 1991	0.2	0.2	1.8	1.9	8	18
Nov. 1991	0.3	0.6	2.4	3.7	17	41
Oct. 1991	0.1	0.1	1.4	1.7	10	19
Sept. 1991	0.1	0.2	1.9	2.1	27	39
Aug. 1991	0.7	1.9	2.1	3.7	21	43
July 1991	1.2	2.0	2.7	3.8	35	103
June 1991	0.5	0.9	1.2	2.2	26	84
May 1991	0.3	0.4	0.4	0.6	44	100
April 1991	0.2	0.2	0.3	0.5	24	63
March 1991	0.2	0.4	0.6	1.7	10	22
Feb. 1991	0.4	0.6	1.0	1.6	36	64
Jan. 1991	0.7	1.3	1.7	2.5	34	58
Dec. 1990	0.8	2.1	1.3	2.1	50	109
Nov. 1990	0.1	0.2	0.4	0.8	19	34
Oct. 1990	0.1	0.2	0.2	0.2	7	18
Sept. 1990	0.1	0.2	0.1	0.2	11	28
Aug. 1990	0.3	1.5	0.3	0.6	28	45
July 1990	0	0	0.2	0.4	37	43
June 1990	0.2	0.4	0.1	0.2	27	49
May 1990	0.1	0.2	0.2	0.4	20	40
April 1990	0.2	0.3	0.2	0.3	23	43
March 1990	0.2	0.3	0.1	0.2	42	75
Feb. 1990	0.1	0.2	0.3	0.4	7	14
Jan. 1990	0.1	0.4	0.2	0.5	8	16

NPDES
Permit
Limits

1.0 2.0 6 9

	Nickel		pH	
	Ave.	Max.	Min.	Max.
Dec. 1994	0.04	0.04	7.25	7.25
Nov. 1994	0.04	0.04	7.47	7.47
Oct. 1994	0.02	0.02	7.77	7.77
Sept. 1994	0.02	0.02	7.88	7.88
Aug. 1994	0.03	0.03	7.61	7.61
July 1994	0.03	0.03	7.79	7.79
June 1994	0.03	0.03	7.50	7.50
May 1994	0.04	0.04	7.31	7.31
April 1994	0.04	0.04	7.28	7.28
March 1994	0.03	0.03	7.56	7.56
Feb. 1994	0.02	0.02	7.56	7.56
Jan. 1994	0.035	0.05	7.43	7.79
Dec. 1993	0.037	0.04	7.28	7.63
Nov. 1993	<0.001	<0.001	7.20	7.61
Oct. 1993	<0.001	0.010	7.3	7.5
Sept. 1993	0.5	0.5	7.0	7.0
Aug. 1993	0.2	0.3	7.0	7.3
July 1993	0.1	0.1	7.15	7.25
June 1993	0.1	0.1	7.0	7.19
May 1993	0	0.1	7.15	7.27
April 1993	0	0	7.1	7.3
March 1993	0	0	7.1	7.3
Feb. 1993	0	0.1	7.2	7.3
Jan. 1993	0	0	7.2	7.5
Dec. 1992	0	0	7.0	7.1
Nov. 1992	0.1	0.3	6.9	7.3
Oct. 1992	0	0	7.3	7.5
Sept. 1992	0	0	7.3	7.6
Aug. 1992	0.1	0.1	7.2	7.5
July 1992	0.1	0.1	7.2	7.3
June 1992	0.1	0.1	7.3	7.3
May 1992	0	0.1	7.2	7.3
April 1992	0	0.1	7.2	7.3
March 1992	0	0	7.2	7.3
Feb. 1992	0	0	7.1	7.3
Jan. 1992	0	0.1	7.1	7.2
Dec. 1991	0	0	7.2	7.3
Nov. 1991	0	0	7.3	7.5
Oct. 1991	0	0	7.3	7.6
Sept. 1991	0	0	7.4	7.5
Aug. 1991	0	0	7.4	7.6
July 1991	0	0	7.0	7.3
June 1991	0	0	7.1	7.3
May 1991	0	0	7.1	7.5
April 1991	0	0	7.0	7.3
March 1991	0	0	6.8	7.4

NPDES
Permit
Limits 1.0 2.0 6 9

	Nickel		pH	
	Ave.	Max.	Min.	Max.
Feb. 1991	0	0	7.2	7.3
Jan. 1991	0	0	7.3	7.5
Dec. 1990	0	0	6.9	7.3
Nov. 1990	0	0	7.0	7.4
Oct. 1990	0	0	7.2	7.4
Sept. 1990	0	0	7.0	7.2
Aug. 1990	0	0	6.9	7.1
July 1990	0	0	7.0	7.3
June 1990	0	0	6.7	7.3
May 1990	0	0	6.6	7.0
April 1990	0	0	6.4	6.9
March 1990	0	0	6.6	6.9
Feb. 1990	0	0	7.1	7.5
Jan. 1990	0	0	6.8	7.5

SD:r c:dls/71Z/sp